DEPARTMENT OF THE NAVY
JOINT BASE ANACOSTIA-BOLLING
20 MACDILL BLVD, SUITE 300
WASHINGTON, D.C. 20032-7711

5090
Ser
December 26, 2017

Karen Crumlish, Branch Chief
Drinking Water Branch (3WP21)
Water Protection Division
U.S. EPA Region 3
1650 Arch Street
Philadelphia, PA 19103

Ms. Crumlish:

Enclosed is the Asbestos Report for the December 2017 monitoring period for Joint Base Anacostia-Bolling (JBAB) Anacostia side. Included with the results are the certificates of analysis and the Chain of Custody Forms.

There were no exceedances for this sampling event.

Please mail all correspondence to:

ATTN: Director, Installation Environmental Program
Department of the Navy
PWD- Joint Base Anacostia-Bolling
370 Brookley Avenue SW
JBAB, Washington, DC 20032-0101

If you have any questions or require further information, please contact Ms. Anna Angione at (202) 685-3267 or via email at anna.angione@navy.mil.

Sincerely,

MADINA M. ALHARAZIM
By direction

Enclosures: 1. Asbestos Sample Analysis Results and Chain of Custodies; December 2017

AMA Analytical Services, Inc.
Focused On Results.

CERTIFICATE OF ANALYSIS

NY ELAP
Lab ID 10920

Chain of Custody: 604573
Client: Inspections Experts, Inc.
Address: 9220 Rumsey Road
Columbia, MD 21045
Attention: Kosala De Silva

Job Name: WNY
Job Location: Not Provided
Job Number: 1511-223
P.O. Number: Not Provided

Date Submitted: 12/21/2017
Date Analyzed: 12/28/2017
Report Date: 12/28/2017
Date Sampled: 12/21/2017
Person Submitting: Gayan Kularathu

Summary of Results of Water Borne Asbestos Analysis by TEM - USEPA Method 100.2 and ELAP 198.2

AMA Sample	Client Sample	Sample Type	Sample Aliquot (ml)	Filter Collection (mm²)	Filter Area Analyzed (mm²)	Sensitivity (MFL)		Fiber Count		Total Fiber Conc. (MFL)			Long Fiber Conc. (MFL)			Comments
						Total	Long	Total	Long	Mean	95% UCL	95% LCL	Mean	95% UCL	95% LCL	
604573-1	JBAB-391	Not Provided	100.0	1047.0	0.0532	0.197	0.197	NAD	NAD	< 0.726	0.726	N/A	< 0.726	0.726	N/A	
604573-2	JBAB-414	Not Provided	100.0	1047.0	0.0532	0.197	0.197	NAD	NAD	< 0.726	0.726	N/A	< 0.726	0.726	N/A	
604573-3	JBAB-409	Not Provided	100.0	1047.0	0.0532	0.197	0.197	NAD	NAD	< 0.726	0.726	N/A	< 0.726	0.726	N/A	
604573-4	JBAB-370	Not Provided	100.0	1047.0	0.0532	0.197	0.197	NAD	NAD	< 0.726	0.726	N/A	< 0.726	0.726	N/A	

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						Total	Long	Total	Long	Mean	95% UCL	95% LCL	Mean	95% UCL	95% LCL	

Please Note: EPA Method 100.2 requires analysis of asbestos fibers with a minimum length of 10 um, which are reported in the long fiber concentration columns. AMA Analytical Services, Inc. also documents asbestos structures between 0.5um and 10um in length. Along with the long fibers these are reported in the total fiber concentration columns. Meets with ELAP 198.2 requirements.

Limit of Quantitation: The Limit of Quantitation (LOQ) for this method is equal to four asbestos fibers. If the sample had no asbestos detected (NAD) the mean asbestos concentration is reported as less than the 95% UCL (upper confidence limit), which is 369 % of the analytical sensitivity. If 1 to 3 fibers were detected, the mean asbestos concentration is reported as less than the 95 % UCL. A lower confidence limit (LCL) does not apply (N/A) for samples in which three or fewer asbestos fibers were detected.

Analytical Sensitivity: Typical analytical sensitivities for drinking water samples should be < 10 MFL for 'total' asbestos and <0.2 MFL for 'long' asbestos fibers. Analytical sensitivities may be much higher for water samples where the high concentration of suspended particulate requires using small aliquots to make usable sample preparations.

Method of Analysis: The method of analysis used is the EPA 100.2.

Asbestos Types: Chry = Chrysotile; Amos = Amosite; Croc = Crocidolite; Trem = Tremolite; Actn = Actinolite; Anth = Anthophyllite

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Analyst(s): Michael Greenberg

Technical Director Andreas Saldivar

AMA Analytical Services, Inc.
Focused on Results www.amalab.com
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920)
4475 Forbes Blvd. • Lanham, MD 20706
(301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires) 004573

Mailing/Billing Information:

1. Client Name: Inspection Experts Inc.
2. Address 1: 9250 Rumsey Road, Ste 106, Columbia, MD 21045
3. Address 2:
4. Address 3:
5. Phone #: 410-715-3939 Fax #:

Submittal Information:

1. Job Name:
2. Job Location:
3. Job #: P.O. #:
4. Contact Person: Kosala De Silva @ phone # 301-655-6109
5. Submitted by: Gayan Kularathne Signature:

Reporting Information (Results will be provided as soon as technically feasible):

AFTER HOURS (must be pre-scheduled)	NORMAL BUSINESS HOURS	REPORT TO:
❑ Immediate Date Due:	❑ Immediate ❑ 3 Day	❑ Include COC/Field Data Sheets with Report
❑ 24 Hours Time Due:	❑ Next Day ☒ 5 Day	❑ Email: @
Comments:	❑ 2 Day Date Due: 12/ 1/2/17	❑ Fax:
	❑ Results Required By Noon (EveryAttempt Will Be Made to Accomodate)	❑ Verbals:

Asbestos Analysis

PCM Air – Please Indicate Filter Type:
- ❑ NIOSH 7400 (QTY)
- ❑ Fiberglass (QTY)

TEM Air – Please Indicate Filter Type:
- ❑ AHERA (QTY)
- ❑ NIOSH 7402 (QTY)
- ❑ Other (specify) (QTY)

PLM Bulk
- ❑ EPA 600 – Visual Estimate (QTY)
- ❑ EPA Point Count (QTY)
- ❑ NY State Friable 198.1 (QTY)
- ❑ Grav. Reduction ELAP 198.6 (QTY)
- ❑ Other (specify) (QTY)

MISC
- ❑ Vermiculite
- ❑ Asbestos Soil PLM (Qual) PLM (Quan) PLM/TEM (Qual) PLM/TEM (Quan)

TEM Bulk
- ❑ ELAP 198.4/Chatfield (QTY)
- ❑ NY State PLM/TEM (QTY)
- ❑ Residual Ash (QTY)

TEM Dust
- ❑ Qual. (pres/abs) Vacuum/Dust (QTY)
- ❑ Quan. (s/area) Vacuum D5755-95 (QTY)
- ❑ Quan. (s/area)Dust D6480-99 (QTY)

TEM Water
- ❑ Qual. (pres/abs) (QTY)
- ☒ ELAP 198.2/EPA 100.2 (QTY)
- ❑ EPA 100.1 (QTY)

☒ All samples received in good condition unless otherwise noted. (TEM Water samples °C)

Metals Analysis
- ❑ Pb Paint Chip (QTY)
- ❑ Pb Dust Wipe (wipe type) (QTY)
- ❑ Pb Air (QTY)
- ❑ Pb Soil/Solid (QTY)
- ❑ Pb TCLP (QTY)
- ❑ Drinking Water ❑ Pb (QTY) ❑ Cu (QTY) ❑ As (QTY)
- ❑ Waste Water ❑ Pb (QTY) ❑ Cu (QTY) ❑ As (QTY)
- ❑ Pb Furnace (Media) (QTY)

Fungal Analysis

Collection Apparatus for Spore Traps/Air Samples:
Collection Media
- ❑ Spore-Trap (QTY) ❑ Surface Vacuum Dust (QTY)
- ❑ Surface Swab (QTY) ❑ Culturable ID Genus (Media) (QTY)
- ❑ Surface Tape (QTY) ❑ Culturable ID Species (Media) (QTY)
- ❑ Other (Specify) (QTY)

SAMPLE INFORMATION: CLIENT ID NUMBER	SAMPLE LOCATION/ IDENTIFICATION	DATE	VOLUME (LITERS)	WIPE AREA	ANALYSIS: TEM	PCM	PLM	LEAD	MOLD	AIR	BULK	DUST	MATRIX: WATER	SPORE TRAP	TAPE	SWAB	CLIENT CONTACT (LABORATORY STAFF ONLY)
JBAB-391	J. closet 1st FL	12/21	1	0825	X								X				Date/Time: Contact: By:
JBAB-414	Kitchen Sink	12/21	1	0838	X								X				
JBAB-409	W. RestRoom Sink	12/21	1	0850	X								X				
JBAB-370	W. RestRoom Sink	12/21	1	0901	X								X				
																	Date/Time: Contact: By:
																	Date/Time: Contact: By:

LABORATORY STAFF ONLY: (CUSTODY)

1. Date/Time RCVD: 12/22/17 0945 Via: DO By (Print): Sign:
2. Date/Time Analyzed: / / @ By (Print): Sign:
3. Results Reported To: Via: Date: / / Time: Initials:
4. Comments: